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ABSTRACT OF THE DISCLOSURE

Optical fiber cable with a central strength member structure and with four or five buffer tubes each loosely receiving optical fiber ribbons in a stack and is disposed around and contacting the strength member. The optical fiber count is in excess of 1000 and the fill factor is not greater than 85% in a two inch duct. Each buffer tube contacts adjacent buffer tubes, and the buffer tubes are encircled by a jacket. Optionally, spaces bounded by pairs of buffer tubes and the jacket have optical fibers therein and can also include flexible longitudinal strength members and/or water blocking filaments. Preferably, the strength member structure and/or the buffer tubes are encircled by a water blocking tape. The optical fiber ribbons in the stacks can include different numbers of fibers, and hence, can have different width.

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